USER MANUAL

(English)





Lifetime Ultra TMD Digital Satellite Receiver

PREPACE

OVERVIEW

- 1. How to use the REMOTE CONTROL KEY
- 2. FRONT PANEL
 - 3. BEAR PANEL
- 4. CONNECTION DIAGRAM
- 5. CONNECTION DIAGRAM (DISH)

OPERATION N

- 1. Start Up
- 2. Main Menu
- 3. User Selup
- 4. Installation
- 6. System Setup 5. Channel Edit
 - 7. Channel List
- 8. Program Gulde
 - 9. Audio Change
- 10. Recall the Esvorite Channel
- 11. How to download Software via RS-232 Serial Cable

SPECIFICATIONS nt).

4 TROUBLE SHOOTING

Fortec Communications Inc. 2780 Skymark Ave Und B Canada L4W 6A7 Messessanga, ON

C2003 Fortex Commonications Inc.

1. General Information

PRIFFACE

Congratulations on purchasting a new Fortec Star digital satelline receiver. Before using your new receiver, we suggest that you read this manual carefully for your own safety, and to learn how to correctly operation the system

2. Main Features

- EPG (Electronic Program Guide) 7 days of program information
 - Fully compliant with MPEG-2 Digital & DVB broatcasting
 - 950-2150 MHz Input Frequency (IF loop throughput)
- Vanable input Symbol Rate [1,5-45 Maps]
- Multi-language OSD (On-screen Display)
 - Automatic PALINTSC Conversion
- · Fast Channel Change
- 3.000 Channel Memory (TV & Radio)
- Flexible reception of SCPC & MCPC from Cifcu band Satellines
 - Timer Function (Automatic On/Ort Setting Function)
- 256-Coloré (Graphic Use Interlece)
- P.I-G (Picture-In-Graphic) On-sorder Display
- 5 Fevorite Lists
- Powerful Channel Ediling Function

-Sorting: Alphabetic, Salellite, FTA/Soramble, Parental Lock, TP Order Move. Delete, Edit Favorites

-Paremel Lock, Channel Rename, Channel Skip

- Manual PID / Satelifie & TP / Network Scan & Power Scan
- Simultaneous Scan of 4 Satelifies
 - · USALS Compabble
- Capable Of Setting the Frequency for SMATV Bystems
- Upgrade through RS-232C (STB to STB, PC to STB)

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3. FOR YOUR SAFETY

- Do not open the pover. It may cause malfunction or electric shock.
- When not in use for a long period of time, please unplug the receiver from the power outlet.

Also do not use a damaged power cord that may osuse lire or electric shock.

- · Do not use the receiver in a humid area.
- Do not cover the receiver or place anything heavy on the receiver. Ensure that the receiver has sufficient ventilation.

Avoid using spray or liquid materials around the receiver.

 Do not connect or disconnect any celcles while the receiver in plugged into the power outlet.

4. THE FOLLOWING ACCESSORIES ARE ENCLOSED:

- 1 User Manuel
- 1 Remote Control Unit
- · 2 Battenes (AAA Type)

Note

If any of the accessories listed above are missing, please contact the sales outliet where this product was initially purchased.

I. How to use the REMOTE CONTROL

Key	Function
POWER	Frame the receiver onlyth in the alendary changed in the alendary reade, it will outlometically changed to the TV Mode which the method watching termeshall TV broadcasting.
×	Sound Off.On
OH	Shows channel Information, such as channel humber, channel rame, Frequency, Potanty, Symbol Rate, Video P.D., Audio PID and PGR PID.
aune	Эльма рюдгат ілбитавіст
TV/RADIO	Toggles between the TV channels and radio changles
PAUSE	Pauses the proure. Push again to redoces
SIGNAL	Shows eight quality.
AUDIO	Selecta sudio mode (Stareo, lett cety and nghi only). Selects language in cese of fubilingual program
MEND	Enters main manuschem. Or existment screen
EXIT	Moves to upper menu
CH ▲▼	Chartel upitionn Moves the cursor upwerchicovarweed in the menu
ЭК	Shows channel by Contima solabion in Mahu soda.
VOL 4₽	Vinkurie disentanti Changes the value of a selected item in the Menu mode
LAST	Returns to previous program
FAV	Enters fewords program or Exits from Favorile program.
8-0	Overges channel desolly Controls the numerical operation in the Mery mode.
PgDn	Evends page down luxchan in the monu.
PgUp	Execute page up function in the menu
SAT	Shows the list of saratrice



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Operating Principle

- Select an Item by using the up and down keys and change the value of the highlighted (selected) item by using keys shown on the screen. Press the OK key to enter the sub-menu if there as no instruction marked on the screen.
- The Item is automatically stored and moved to the upper menu by pressing the
- You can return to the normal mode at the time by precising the menuitey from the menuimode.

2. FRONT PANEL

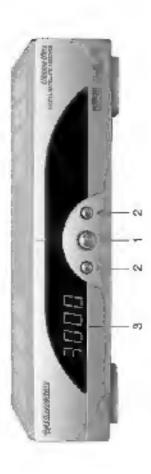


Figure 2-2 Frord Partel

1. POWER

Switches between Stand-by mode and normal mode (On/Off).

2. CH ▲, CH ▼

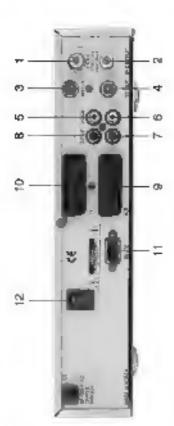
Changes Channel Up/Down

3. CHANNEL DISPLAY (4 digit / 7 Segment)

After preseing the power button, "ON" is showed on screen.

After the receiver searches the program, the program number is displayed as "0001-3000".

3. REAR PANEL



20	NAME	FUNCTION
-	IF INPUT	IF INPUT from UNB to receiver
0	FOUTPUT	IF Loop-through output to 2nd receiver
07	ANT IN	Input from terrestrial TV antenna or cable
4	TVOUT	Cuaput to TV
MO.	VIDEO	Composite video output (RCA Jack)
9	L	Lett audio output (PCA jack)
7	Н	Right audio output (RCA pack)
8	SPDIF	Dolby Digital output (RCA jack)
		(Available on riorth American receivers.)
6	VCR SCART	VCR SCART output (not available on North
		American receivers: S-Video substituted)
10	TVSCART	TV SCART output (not available on North
		American receivers; B-Video substituted)
=	RS232	Senal port used for software upgrade
12	ACSWITCH	AC POWER DAVOFF

4. CONNECTION DIAGRAM

1) Receiver to TV with RF output and terregistal antenna.

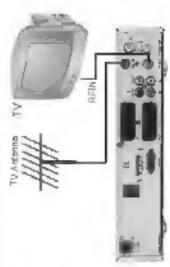
Connect the TV antenna to the ANT 1N socket of the receiver.

Connect the TV out of the receiver to the RF INPUT of the TV set. Search on the TV set for LME Channel 38 Not Planne) or channel V

Search on the TV set for UHF Channel 38 (for Europe), or channel VHF channel 3 or 4 for North America.

Channel 38 is sel at lactory for UNF

If needed, you can charge it in the User Set-up Menu mode.



2) Receiver to VCR and then to TV with RF output:

Connect the TV antenna to the AMT IN socket of the receiver if a Terrestnal antenna is also needs to be connected.

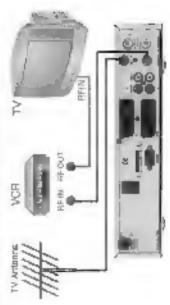
Connect the TV output Socket of the receiver to the RF tN of the VCR.

Connect the RF output of the VCR to the RF M of the TV set Search on the VCR for UHF channel 36 (for Europe), or channel VHF channel 3 or

4 for North America.

flots.

USE different UHF channels for VDR and receiver.



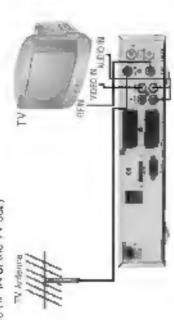
3) Receiver to TV with Audio and Video cectes:

Connect the TV antenna to the ANT IN socket of the receiver if a Terresimal shrema also needs to be connected.

Connect the TV out socket of the receiver to the RF tN of the TV set. This connection is not necessary if the Video RCA connection is used in the next step. Connect the Video and Audio outputs of the receiver to the Video and Audio inputs.

(The Video RCA connection is recommended since it yields a better picture quality than using the RF IN of the TV set.)

of the TV set.



4) Receiver to TV and VCR with SCART cable: (Not available with North American

Conhact the TV antenns to the ANT in socket of the receiver.

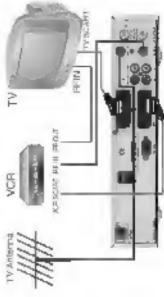
Connect the TV out socket of the receiver to the RF IN of the VRC.

Connect the RF out of the VCR to the RF IN of the TV set.

Search on the VCR for UHF channel 38.

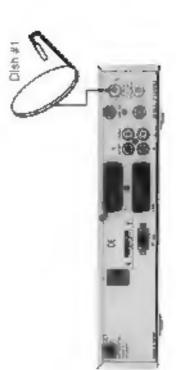
Connect the SCART cable form the TV SCART of the receiver to the SCART of the

Connect the SCART cable from the VCR SCART of the receiver to the SCART of the VCR.

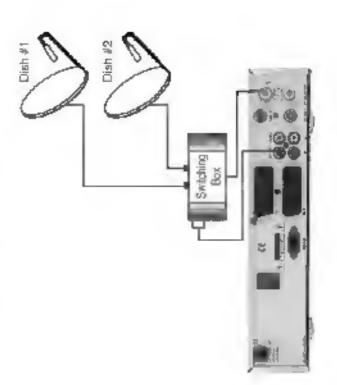


5. CONNECTION DIAGRAM (DISH)

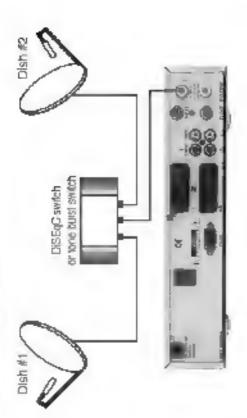
1) One dish.



2) 2 dishas with 0/12V switch (0/12V jack not available on North American model).



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1. Start Up

If you are watching TV through the RF-cable, you need to adjust the Channel number are set to PAL-G and Channel 38 (for Europe), or to NTSC and Channel 3 (for North America) at the factory.

1.1 Language

Select the desired language and press OK to comfirm it.

This receiver supports 8 languages.

English,

German, French, Portugal,

Spanish, Turkish,

Arabic

Aussian

2. MAIN MENU

Many of the functions of the receiver are available from the Main Menu. There are 4 sections in this Main manu, which are "User Setup". "Installation", "Channel EDIT" and "System Setup". The sub-menu will appear as you scroll between the 4 sections of the Main Menu.

3. User Setup

the sub-mode as shown in the right figure by In the USER SETUP mode, you can select pressing the CH A Wkey and then selecting the DK key. Any changes are stored by pressing the EXIT key.



3.1 Language

Press EXIT in the OK key after you select your preferred language by using the VOL . Key.

Select from English, German, French, Portugal, Spanish, Turkish, Arabic & Russian.

3.2 Aspect ratio

You can set TV sapect ratio (4.3 for normal TV & 16.9 for wide-somen TV) by preseing the VOL 4 Neys.

3.3 TV Type

You can set the TV type (PAL, NTSC and AUTO) by pressing the VOI.

If the setting value is Auto, then the course program sets the TV type automatically

3.4 Time Setting

adjust the time. Also you can set the After selecting the Time Selting, you can Wakeup Ime and Sleep time to fuln the receiver on and off automatically.



3.5 Modulator

1) PAL-G. PAL-I PAL-K. NTSC IS You may need to change the modulator setting to support your program source: supported.

2) Modulator channel can be changed from channel 21 to channel 69 for PAL and from 3 to 4 for NTSC.



3.6 OSD setting

You can adjust the transparency level by using the Vol 4 Pkeys.

3.6.1 OSD TIMBOUT

amount of time the information will be displayed on the OSD by selecting a When you change the channel, the channel information will be displayed on the On-screen Display (OSD) for a certain period of time. You can change the different value in this menu.

After changing the OSD time, press the Exit key.

3.7 Screen option

Select ON or Off with 4 Key

- ON. After being Black screen, channel is changed.
- When changing channel, desired channel will display after showing black SCIEBIL.
- CAF: When changing channel, previous channel is seen and desired channel

4. Installation

In this section, you will learn how to use the Antenna Set-up. Scen, and Edit Channel and TP data

4.1 Antenna Setup

4.1.1 Satellite

- Scroll to the satellite you want to program by using the A wheys.
- next to the eatelite to show that it is selected. You can de-select it again by Salact the satelitie you want by pressing . It is theck mark will appear pressing ** key once more. If you press CIK, the sakelifie will be selected and that satellite's sub-menu will appear.
- From the satellite's sub-menu, you can edjust the LNB type, LNB Lo-Freq.. 22kHz. DiSEqC, LNB power, 0/12V, TP, and Positioner Setting.

4.1.2 LNB type

- Select proper LNB type using * Pitays according to the LNB type you are using. The default settings are the Fortec Star Universal LNB (Universal f.), At settings for the LNB type are shown below:
- Universal 1 (9750MHz & 10600 MHz)
- Universal 2 (9750MHz & 10750 MHz)

 - SINGE-SL (5150MHZ & 5750 MHz)

Single SH (5150MHz & 5750 MHz)

Standard (9750MHz; the value can be manually changed)

22KHz control is automatically set for each LNB afternative. If Universal 1 or 2 is setsoned, 22Khz control should be in the foll state."

4.1.3 LNB Lo-Freq

When the required (MB frequency is not available, select "Standard" and then input the frequency value with the numeric keys.

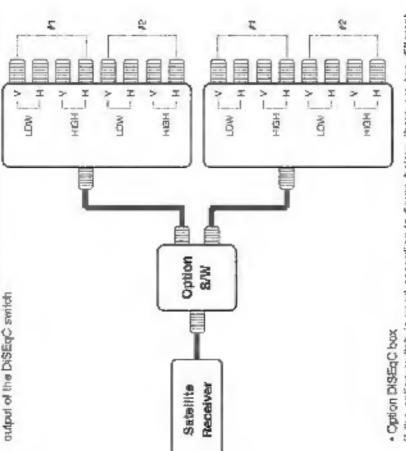
4.1.4 22KHZ

When you are using a Dual LNB or two antennas connected to a 22KHz tone switch box, set 22KHZ tone switch 'ON' for one dish and set 22KHz tone switch to the "OFF" mode for the other dish

4.1.5 DISEQC

- Full DiSEaC

If a DiSEqC switch is used, select the port number that corresponds to the



If the option switch is used according to figure below. There are two different ways to scan the satelines depending on LNB type.

(1) For universal LNB.

Select a DiSEqC number to which the RF signal a fed the LNB.

(2) For slandard LNB:

THAMBBE

For high band scanning, "set 22kHz" to off and setect a different DISEqC For low band scanning, 'set 22kHz" to off and select a DISEqC number.

8 8 Option 3 Satellite Receiver

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4.1.6 LNB POWER

Set the LNB power On/Off by using 4 Piceps.

4.1.7 O/12V (Not available on the North American model)

By turning this function On or Off, the receiver will either supply or not supply (2V from this terminal using ◀ ▶ keys.

Select a specific transponder by using the VOL. • Pikeys. When the dish is positioned properly to receive the satellite signal, the Quality bar meter will indicate a signal in a green color

4.1.9 Positioner Setting
It is used to set the DISEQD 1.2 motor & USALS.

if you have no positioner equipment, leave this setting in the Disable state. Otherwise, you can select either DISEQC 12 or USALS

1) DiSEQC 1.2

(1) Current position:

Select the position number by using keys (#0~#26 are defined default values, #27-#49 are user

defined values) (2) Movement

Select East /West by using . * * 44ys and press OK to stop.

Select Nudge East/West by using 4 (3) Nudge East/ West:

keys and press OK to save current position.

(4) Recalculation:

If it is used to shift the position for all the satellites, select Recalculation by using the CIK key and then use the movement function above

(5) East Limit Sol.

Move the position to the most eastern position and press OK to store it.

(6) West Limit Set

Move the position to the most western position and press OK to store it.

(7) Limits Disable

Select Disable limits by using the OK key.

(B) Go-to reference;Select Go-to reference by using DK key.

2) USALS (DISEAC 13)

(1) Satellite Position:

it indicates the position for the saved estellite. You can change the position of the satellite by using the numero keys.

Input Local Longitude by using the (2) My Longhude: numeric keys.

(3) My latthde.

input Local Latitude by using the numeric keys.

Moves the dish to the zero position (4) Reference position.

above and the position calculated by the values of (2) & (3) will be shown. Press OK key and it will move to the satellite position. The satellite position shown in (1)

'61 Store:

Select 'State' and the values will be saved, and the dish will move to the eatellite position.

will start to move when you highlight a salelite that has the Positioner Setting set to OISEQC 1.2 or USALS (assuming that a DISEQC 1.2 or USALS motor is connected to your dient. You can avoid this by returning the Positioner Setting to the Disable Note: When scrolling through the satellile list in the America Setup menu, the dish

4.1.10 Satellite Scan Mode

only Free channels to the receiver. The ALL mode is used to download Free and Scrambled channels, If you select OK while the Satellite Scan mode is highlighted, you will be asked to press OK to save or Exit to escape this menu. If you press OK to save, the channel search will begin. Remember to move the Select the satelitie scan mode Free or ALL. The Free mode is used to download dash to the desired satelifie if using a motor before you begin a channel search.

4.2 Sateliite Scan (From Installation Menu)

Scan all transponders for selected satellities

- Select the salelite to seerch by using the . keys. Only four satellites can 1) Press OK key and scroll through the satellife #sf by using the ▲&▼keys. be selected at once.
- 2) Then press the OK key to begin the SCAPPING
- 3) The transponders (TP) will be consecutively scenned for each of the selected satelfiles.



4.3 TP Scan

The selected transponders are scanned at this ment.

- 1) Select TP scan in the installation menu.
- Select a satellite by using the ▲ ▼ keys.
- 3) Select the scan mode FTA or ALL.
- Soxoll through the TP list by using the A Wkey, and select the desired TPs by using the ▲ News. then press OK to sten the search

4.4 Network Scan

Follow the same procedure for as used in the TP Scan section above It is advantageous to use the Network

Scan since it will scan for updated information provided by the eatenibers Network Index Table.



Salect the setablite. You can parform the Advanced Scart by entaring the parameters Then select the Scan mode FTA or ALL. To perform an Advanced Scan, press Ok



4.5.1 Down Frequency

input the frequency that you want to sepren.

4.5.2 Symbol Rate

input proper key velue.

4.5.3 Polarity

4.5.4 Channel Name

Press CX key and key Board will be shown. You can edil channel name.

4.5.5 Video/Audio/PCR PID

Setting Video PID/Audio PID/PCR PID

- You can set the PID values to search.
- After setting the PID values, press OK key.

4.6 Power Scan



4.6.1 Sabellibe

2) If you want to add a new satellite, press the OK Key. 1) Select satelitie name with ▲▼ key

4.6.2 LNB Configuration



6.8.3 Symbol range

- + Select Full, High, or Law
 - Full High and Low
 - +High: >7.5M
 - -Low <7.5%

4.6.4 Polarity

- Select Horizotttal / Vertical wift ▲ ► Kery
- All : Scan Honzonfal and Vertical.
- Honzontal / Scan Honzontal TP colly.
- · Vertical : Scan Vertical TP only.

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4.6.5 Scan

- Select Sean type with ▲▼ Key
- When you select the OK Key, the scanning mill start

4.7 Edit TP/Satellite

In this mode, you can add new, exit or defete satellite and transponder enformation.

4.7.1 How to add a new satelitte

- Select "Nery" It is located at the bottom of satellite rooms 1st. Enter the new sateRite name by using the numeric keys, ▲ ▼ keys, or ▲ ▶ keys.
- Maximum number of characters is 12 digits.
- Press the DK key to select each character
- Store the hear name by selecting the OK character located on the last row.
- Enter the Down frequency, symbol Pate and LNB Polamy
- Press EXIT or OK key and the new transponder information is slored.

4.7.2 How to rename the safetitle

- Press OK after selecting a satellite.
- Splect 'Rename" from the menu.
- Entermery named by using numerite keys, A 🔻 keys R. 🖈 keys and then saled:

4.7.3 How to Delete/Restore a satellita

- Press Of key after selecting the satelite you want to detecte
- Press OK to confirm or press EXIT to cancel. The color of the deleted satellite name in the list will change
- Satellites that are marked with a check mark cannot be deleted.
- To restore the deloted catalitie, move the cureor to the deleted satellite and press OK key, Then lett 'Restore' in the menu and press the OK key.

4.7.4 How to add a new transponder

- Press OK after selecting a sabelité.
- Select Edit TP and then the Transponder list will appear
- Prese the OK key after selecting 'NEW from the transponder list."
- Enter the Down frequency. Symbol Rate and LNB Polarity.
- Press EXT

 OK and the new transponder information will be stored.

4.7.5 How to delete or edit a transponder

- Press OK key after selecting a satethle.
- Select Edit TP then the transponder list will appear
- Scroll through the list of transponders.
- Press CK to select the TP you want to Edit or Delete.
- The Edit or Defete menu will appear.

When you want to Edd the TP, select the EDIT manu and press OK key

- Enter Down frequency. UNB polarity & Symbol Rate and press EXIT or DX
- When you want to Delete a TP, select Delete from the menu and press OK key The TP selected will be detailed

5. Channel Edit

In this mode, you can edit both TV and Radio channels

5.1 How to sort the channels

- 1) Press OK after selecting "Sort"
- 2) The Sub-mode will appear as follows:
- · Alphabetic
 - · Saballie
- · FTA/Scramble
- · P-L66

- · TP Order
- Select one of 5 kinds of sort modes and press OK.
 - 4) Press EXIT to exit from this mode.

- P-Lock. The channels with a P-Lock will appear first.
- TP Order. TP value will be shown from low to high.

5.2 How to move the channel

- 1) Press OK after selecting the "Move" key.
- 2) Press OK to select a channel to move, and then move the selected channel to the new position by using the A Wkeye.
- 3) Press the OK key again.

5.3 How to delete the channel

- 1) Select "Delete" and press OK
- Select a channel you want to delete by using the ◀ ►key. None than one channel can be selected.
- Press the OK key after selecting all the channels to be deleted

5.4 How to store channels in a Favorite List

- 1) Select 'Favorile' and press OK.
- 2) Select the desired Favorite List (1-5), and press DK
- Select the channel to be added to the Favorite List and press OK.
- Once all the destred channels are selected, press EXIT.

5) This process can be repeated for the other Favorite Lists

6) To delete a channel from the Fevoritie List, go to the merited channel and

5.5 How to lockfunlock the channel

- Select P-LOCK from the menu and press OK.
- 2) Select the channel that you want to took and press OK
- 3) This channel is now looked and the look symbol appears beside it.
- 4) You can unlock the locked channel if you press DK effer selecting the tocked
- 5) When a tocked channel is selected while watching television, a password is requested to view the channel.

5.7 How to rename the channel

- 1) Press OK after selecting the RENAME menu.
- 2) Select the channel you wish to reneme.
- 3) Press OK to enter the characters for the name.
- 4) The maximum number of characters is 20.
- 5) Press the OK character on the last row to atore the new harms

6. Systems Setup

6.1 Parental Control

The Factory set default Password is 70-0-0-0"

6.1.1 Change PIN Code

You can change the PIN Code (Password), if you wanto.

1) Enter the Old password. If you enter this mode for the first time after





Re-enter the new password to confirm.

Comunity You must remember the exchange password because it is used for several functions. The Password is required:

· To view perental locked channels.

· To reset the receiver to the tactory settings

8.1.2 Menu Lock

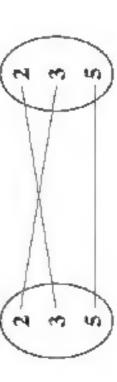
Belact ON or Off with ▲▼Key

· ON : When entering menu input Password

OFF. When emering menu, no need to input Password.

8.2 S/W Transfer From Receiver to Receiver

 Connect the Master receiver to the Stave receiver using a RS-III2 Female to temate Nut modern Cable. Pin configuration is shown below.



Select the siw transfer mode using ▲ ► keys.

4) In the Data Mode, you are transferring the "main" swill from the STB (Mader) receiver to the STB (Slave) receiver To start the transfer, you must press the

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"Channel Up' key on the Front panel of STB (Master)

5) Press the EXIT key to cancel the transfer. After transferring the Code file, you should turn Off, then On the STB (Stave) receiver.

Causion! Never turn off the receiver during software transferring. Falture to fellow this procedure comedity will void your warranty.

6.3 Factory Setting

Once the Factory setting is selected, you will be prompted to enter the correct password. After you enter the correct password, press OK, the receiver will restore at the factory settings.

If you do not want to continue this operation, press the EXIT key before you enfer the password.



6.4 System Information

This mode shows the following information: model name, date and version of SAM.

7. View the Channel List While Watching TV

- You can age the channel list as shown in the Igure to the right by pressing the OK key
 - You can view the channels alphabetically by pressing the PAUSE key
- · Use the Arkeys to scroll to the next channel, or use 4 keys to jump to the drannels that begin with the next letter in the alphabet.
- · Press OK key to view the channel.
- With the Channel List showing, you can press the FAV key. Then you can select the list to be wewed (All channels, or Fay list 1 through Fav List 5)

n) smand farade

With the Channel List showing, you can press the TVFRADIO key. This changes
the list from TV channel list to the Radio channel list. You can exit from the
channel list menu by pressing the EXF key.

8. Program Guide

- · Press the GUIDE key.
- The title and start time of the program is shown as displayed in the figure to the right
- Press EXIT to view that channel.



9. Andio change

- For multilingual programs, a different language can be selected by pressing the AUDIO key and then select the language using the Arkeys.
- The audio mode (L-teft, R-right, LR-stereo) is also changed by pressing the AUDIO key Scroll to the different modes by using the 4

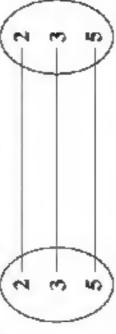


10. Display the Favorite Channel List

- Press the FAV key to display the Channel lists.
- A Favorite Channel List is programmed and stored using the channel edit menu.

11. How to Download Software via RS-232 Serini Cable

 Connect between Receiver and PC by RS-232 Female-to Female Straightthrough Modern Cable. The PIN configuration is shown below.



 Please go to the Forter Star Web site to get the Uploader software and the software available for this receiver. The Uploader program is illustrated below.





3) The software for the receiver (BIN file) must match the STB Model, For this receiver, enter the STB model as Lifetime. Then select the bin file for the Litetime receiver that is appropriate for your region of the world, i.e., the PAL file for Europe and the Middle East and the NTSC (the for North America.

The following message will appear when the STB Model and Bin file don't malch.

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Contions Never turn of the receiver during software downloading. Any interruption while downloading will damage the flash ROM, and will vaid the warranty.

Problem	Possible causes	Remedy
LED on front penel does not light up	A.C. power cord disconnected	Connect power cord properly into the power socket
No picture or nound	Wrong connection of the videofaudic output to TV input terminal	Connect two terminals correctly with SCART cable or RCA or RF cable.
	Wrong connection of satelline entering cable	Connect the antenna cable correctly
	Wrong direction of safellite antenna	Adjust the direction of america
	No signal or week signal	Check the cable conhections, LNS and other equipment connected between the LNB and the receiver or adjust the antenna
	Wrong setting of charmel information in MENU screen	Type the setting value correctly
Black and white	Your TV mode is different	Change the TV setting mode
SCREEN OF Y-MORE	broadcasting mode	Use the NTSC/PAL converter connected to the receiver and TV
The remain	Battery exhausted	Change the batteries
working	Florescent light interfering with the remote controller	Switch off the light
	Remote controller is incorrectly armed	Aim the remote control at the receiver
Distorted menu screen	Too high brightness and contrast level of TV sat	Adjust bigiffness and contrast to low level
Not working	Process Down	Remove the power code or AC switch OFF/ON